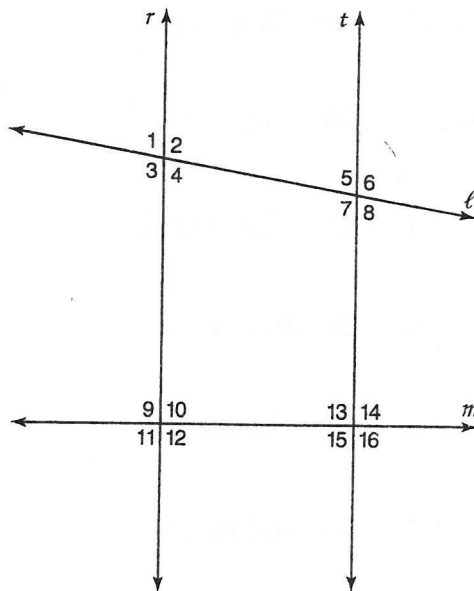


Practice

Student Edition
Pages 124-129**Parallel Lines and Transversals**

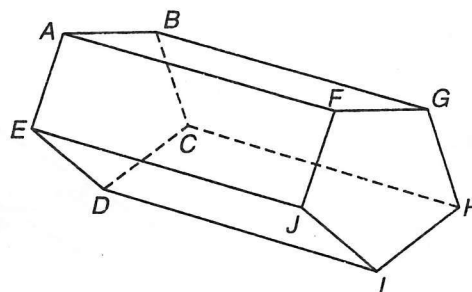
State the transversal that forms each pair of angles. Then identify the special name for the angle pair.

1. $\angle 1$ and $\angle 12$
2. $\angle 2$ and $\angle 10$
3. $\angle 4$ and $\angle 9$
4. $\angle 6$ and $\angle 3$
5. $\angle 14$ and $\angle 10$
6. $\angle 7$ and $\angle 13$



The three-dimensional figure shown at the right is called a right pentagonal prism.

7. Identify all segments joining points marked in plane JIH that appear to be skew to \overline{EB} .
8. Which segments seem parallel to \overline{BG} ?
9. Which segments seem parallel to \overline{GH} ?
10. Identify all planes that appear parallel to plane FGH .
11. **Draw a Diagram** At a town's bicentennial celebration, men dressed up as settlers and tipped their hats whenever they met another man. At a town meeting, ten men were present. How many times were pairs of hats tipped as two men met for the first time?



Practice

Student Edition

Pages 131-137

Mod 12
H.W.**Angles and Parallel Lines***In the figure, $\ell \parallel m$. Find the measure of each angle.*

1. If $m\angle 7 = 100$, find $m\angle 3$.

2. If $m\angle 7 = 95$, find $m\angle 6$.

3. If $m\angle 1 = 120$, find $m\angle 5$.

4. If $m\angle 4 = 20$, find $m\angle 7$.

5. If $m\angle 3 = 140$, find $m\angle 8$.

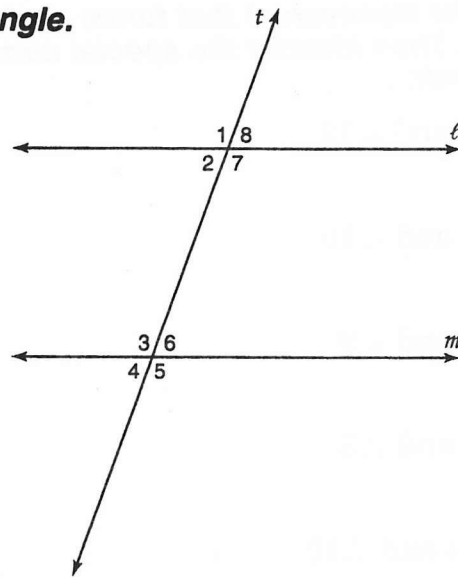
6. If $m\angle 4 = 30$, find $m\angle 1$.

7. If $m\angle 4 = 40$, find $m\angle 2$.

8. If $m\angle 7 = 125$, find $m\angle 4$.

9. If $\ell \perp t$, find $m\angle 3$.

10. If $m\angle 1 + m\angle 3 = 230$, find $m\angle 6$.

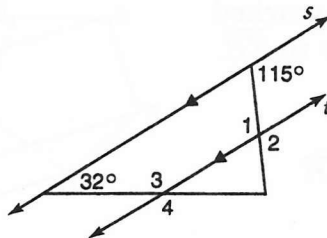
*In the figure, $s \parallel t$. Find the measure of each angle.*

11. $m\angle 1$

12. $m\angle 2$

13. $m\angle 3$

14. $m\angle 4$



15. In the figure, $r \parallel s$. Find the value of x .

